

# Claims

[c1] What is claimed is:

1. A wireless peripheral for a host comprising:  
a wireless module for communicating wireless signals with the host;  
an alarm module for generating an alarm signal while receiving a control signal; and  
a decision module between the alarm module and the wireless module; wherein when the wireless module and the host is disconnected, the decision module generates the control signal to the alarm module for generating the alarm signal.

[c2] 2. The wireless peripheral of claim 1 wherein the wireless peripheral is a wireless headset, the format of the alarm signal being one of the following: sound, light, vibration, or a combination of such.

[c3] 3. The wireless peripheral of claim 1 wherein the host is capable of transmitting a voice signal to the wireless module, the wireless peripheral further connecting to an interface module for transforming the voice signal into an analog voice; the interface module generating an alarm sound while the alarm module receives the control

signal.

- [c4] 4. The wireless peripheral of claim 1 wherein the host is capable of transmitting confirmation signals at different times; the decision module generating the control signal to the alarm module if the decision module has not received the confirmation signals for a predetermined time.
- [c5] 5. The wireless peripheral of claim 1 wherein the host is capable of transmitting confirmation signals at different times; the decision module generating the control signal to the alarm module if a number of the confirmation signals received in the decision module is smaller than a predetermined number for a predetermined time.
- [c6] 6. The wireless peripheral of claim 1 wherein the host transmits confirmation signals by the following methods: regularly sending, irregularly sending, or their combination.
- [c7] 7. The wireless peripheral of claim 1 wherein the host transmits confirmation signals only when no other signals are to be transmitted to the wireless peripheral.
- [c8] 8. The wireless peripheral of claim 1 wherein the host is capable of transmitting a service signal, the wireless peripheral further comprising an interface module for

transferring the service signal received in the wireless module into sound, vibration, or image.

- [c9] 9. The wireless peripheral of claim 8 wherein the host transmits the confirmation signal only when not transmitting the service signal.
- [c10] 10. The wireless peripheral of claim 1 wherein the wireless module is capable of transmitting request signals at different times, the host transmitting a confirmation signals for responding to the request signals.
- [c11] 11. A wireless system comprising:  
a wireless peripheral; and  
a host comprising:  
a wireless module for communicating wireless signals with the wireless peripheral;  
an alarm module for generating an alarm signal while receiving a control signal; and  
a decision module between the alarm module and the wireless module; wherein when the wireless module and the host is disconnected, the decision module generates the control signal to the alarm module for generating the alarm signal.
- [c12] 12. The wireless peripheral of claim 11 wherein the host is capable of transmitting confirmation signals at differ-

ent times; the decision module generating the control signal to the alarm module if the decision module has not received the confirmation signals for a predetermined time.

- [c13] 13. The wireless peripheral of claim 11 wherein the host is capable of transmitting confirmation signals at different times; the decision module generating the control signal to the alarm module if a number of the confirmation signals received in the decision module is smaller than a predetermined number for a predetermined time.
- [c14] 14. The wireless peripheral of claim 11 wherein the host transmits confirmation signals by the following methods: regularly sending, irregularly sending, or their combination.
- [c15] 15. The wireless peripheral of claim 11 wherein the host transmits confirmation signals only when no other signals are to be transmitted to the wireless peripheral.
- [c16] 16. The wireless peripheral of claim 11 wherein the wireless module is capable of transmitting a request signal at different times, the host transmitting a confirmation signal for responding to the request signal.
- [c17] 17. A method for a wireless system, the wireless system comprising a host and a wireless peripheral, the host ca-

pable of communicating wireless signals with the wireless peripheral; the method comprising: communicating wireless signals between the host and the wireless peripheral; and when the wireless communication between the host and the wireless peripheral is disconnected, generating an alarm signal with the wireless peripheral.

[c18] 18. The method of claim 17 further comprising: transmitting confirmation signals at different times with the host; and determining that the wireless communication between the host and the wireless peripheral is disconnected if the confirmation signals are not received in a predetermined time.

[c19] 19. The method of claim 17 further comprising: transmitting confirmation signals at different times with the host; and determining that the wireless communication between the host and the wireless peripheral is disconnected if a number of the received confirmation signals is smaller than a predetermined number over a predetermined time.

[c20] 20. The method of claim 17 further comprising: transmitting request signals at different times with the

wireless peripheral; and  
transmitting confirmation signals for responding to the  
request signal with the host.